

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:
providing a connection between a first process and a second process, the first process
having a first object type structure, the second process having a second object
type structure;
dynamically determining whether the first object type structure matches the second object
type structure through comparing names and behavior version numbers of the first
object type structure and the second type object structure using an object library,
the object library being between a transport layer of network communication and
input and output channels, the object library to create stateful objects from objects
of application processes for communication between hosts; and matching a first
type of the first process and a second type of the second process;
~~using an Exigen Object Library (EOL) to dynamically match the first type of the first~~
~~process and the second type of the second process, wherein the first type matches~~
~~the second type if the first type and the second type have same names and same~~
~~behavior version numbers; and~~
utilizing a flow control provided by a unit for the connection.
2. (Original) The method of claim 1, wherein the first process provides a push of
information to or a pull of information from the second process
3. (Original) The method of claim 1, wherein the first process is a client process.
4. (Original) The method of claim 1, wherein the second process is a server process.

5. (Cancelled)
6. (Original) The method of claim 1, wherein the unit is a transport layer.
7. (Original) The method of claim 6, wherein the transport layer supports a plurality of point-to-point connections between the first process and the second process.
8. (Original) The method of claim 1, wherein the flow control occurs at a flow origin.
9. (Previously Presented) The method of claim 8, wherein the flow control backs up information at the flow origin by providing a buffer at the flow origin to prevent overflow of information to the recipient of the flow.
10. (Cancelled)
11. (Original) The method of claim 1, wherein a first name server contains a first plurality of directories.
12. (Original) The method of claim 11, wherein the first plurality of directories manage a first plurality of objects.
13. (Original) The method of claim 11, wherein one of the plurality of directories is a root of a second name server in order to provide compatibility between the first name server and the second name server.

14. (Original) The method of claim 13, wherein the second name server contains a second plurality of directories.
15. (Original) The method of claim 14, wherein the second plurality of directories manage a second plurality of objects.
16. (Currently Amended) A method comprising:
providing a secure connection between a first process and a second process, the first process having a first object type structure, the second process having a second object type structure; and
dynamically determining whether the first object type structure matches the second object type structure through comparing names and behavior version numbers of the first object type structure and the second type object structure using an object library, the object library being between a transport layer of network communication and input and output channels, the object library to create stateful objects from objects of application processes for communication between hosts. matching a first type of the first process and a second type of the second process;
~~using an Exigen Object Library (EOL) to dynamically match the first type of the first process and the second type of the second process, wherein the first type matches the second type if the first type and the second type have same names and same behavior version numbers; and~~
~~providing a secure connection between the first process and the second process.~~
17. (Original) The method of claim 16, wherein the first process is a client process.
18. (Original) The method of claim 16, wherein the second process is a server process.

19. (Cancelled)
20. (Original) The method of claim 16, wherein the first process checks its security rights with a unit.
21. (Original) The method of claim 20, wherein the unit is a first name server system.
22. (Original) The method of claim 21, wherein the second process checks its security rights with the first name server system.
23. (Original) The method of claim 22, wherein the first process provides a push of information to or a pull of information from the second process if appropriate security information has been received from the first name server system.
24. (Original) The method of claim 21, wherein the second process checks its security rights with a second name server system.
25. (Original) The method of claim 24, wherein the first process provides a push of information to or a pull of information from the second process if appropriate security information has been received from the first name server system and the second name server system.
26. (Currently Amended) A method comprising:
asynchronously connecting ~~providing a connection between~~ a first process and a second process, the first process having a first object type structure, the second process having a second object type structure; and

dynamically determining whether the first object type structure matches the second object type structure through comparing names and behavior version numbers of the first object type structure and the second type object structure using an object library, the object library being between a transport layer of network communication and input and output channels, the object library to create stateful objects from objects of application processes for communication between hosts. ~~matching the first process and the second process;~~
~~using an Exigen Object Library (EOL) to dynamically match the first process and the second process; and~~
~~asynchronously connecting the first process and the second process.~~

27. (Original) The method of claim 26, wherein the first process provides a push of information to or a pull of information from the second process.
28. (Original) The method of claim 26, wherein the first process is a client process.
29. (Original) The method of claim 26, wherein the second process is a server process.
30. (Cancelled)
31. (Original) The method of claim 27, wherein the connection between the first process and the second process is a single thread that provides an exchange of information.
32. (Currently Amended) A method comprising:
~~providing a connection between a first process and a second process;~~

asynchronously connecting ~~the first process and the second process~~ a first process and a second process using an ~~Exigen Object Library (EOL)~~ object library; and providing a secure connection between the first process and the second process.

33. (Original) The method of claim 32, wherein the first process provides a push of information to or a pull of information from the second process.
34. (Original) The method of claim 32, wherein the first process is a client process.
35. (Original) The method of claim 32, wherein the second process is a server process.
36. (Original) The method of claim 33, wherein the connection between the first process and the second process is a single thread that provides an exchange of information.
37. (Original) The method of claim 32, wherein the first process checks its security rights with a unit.
38. (Original) The method of claim 37, wherein the unit is a first name server system.
39. (Original) The method of claim 38, wherein the second process checks its security rights with the first name server system.
40. (Original) The method of claim 39, wherein the first process provides a push of information to or a pull of information from the second process if appropriate security information has been received from the first name server system.

41. (Original) The method of claim 38, wherein the second process checks its security rights with a second name server system.
42. (Original) The method of claim 41, wherein the first process provides a push of information to or a pull of information from the second process if appropriate security information has been received from the first name server system and the second name server system.
43. (New) The method of claim 1, wherein at least one of the first process and the second process creates a stateful object using the object library for asynchronous communication between the first process and the second process.